

INDEXES TO VOLUME 43

Author Index

- Ablanedo P, 397
Ader HJ, 499
Agid Y, 297, 561
Aguirre T, 452
Alam JJ, 79
Al-Chalabi A, 390
Ali Chérif A, 526
Alperovitch A, 763
Andermann F, 687
Andersen H, 72
Andresen BS, 540
Anderson L, 815
Andreidis A, 815
Antonini A, 253
Aoki M, 645
Archelos JJ, 15
Arenas J, 397
Arwert F, 494
Asbury AK, 547
Augood SJ, 669
Ausenda CD, 110

Baird VH, 618
Balin BJ, 259
Balkany A, 654
Ball MJ, 131
Barber PC, 380
Barchi RL, 171
Barkhof F, 332, 499
Barnes PD, 224
Barnett JL, 673
Bartolozzi C, 244
Bartoszak DM, 79
Bash CN, 116
Bebin M, 274
Bech E, 72
Benabid AL, 180
Benarroch E, 839
Benarroch EE, 156
Benazzouz A, 180
Benecke R, 634
Benedetti MS, 212
Bentley CR, 729
Berkovic SF, 435
Bernardi G, 586, 613
Bertram EH III, 748
Bianchi MC, 244
Bird TD, 131, 815
Blahd WH, 801
Bodemer M, 32
Bodine SC, 46
Boles L, 394
Bonanni P, 472
Bonci A, 613

Boncinelli E, 123
Bordoni A, 110
Boudouresques J, 526
Bourdet D, 79
Bowery NG, 618
Boyages SC, 350
Braiman J, 79
Brambilla E, 340
Brandt T, 164
Brantzen AJW, 265
Brashier A, 521
Breakfield XO, 669
Bresolin N, 110
Brice A, 297
Brierley EJ, 217
Briolotti V, 640
Bronstein AM, 729
Bronstein Y, 485
Brooks DJ, 618
Brosnan CF, 384
Brown RH Jr, 645, 703
Brown WT, 106
Brownell A-L, 387
Brownscheidle CM, 79
Brüning R, 164
Bruzzi P, 499
Bufler J, 458
Burgoon MP, 236
Burwinkel B, 326
Butler AC, 380
Butler IJ, 521
Byrne E, 350

Cabello A, 397
Calabresi P, 586
Calabresi PA, 116
Calne DB, 768
Camfield PR, 143
Campion M, 79
Campos Y, 397
Camu W, 640
Cancel G, 297
Carr L, 680
Carrara F, 98
Carson SR, 46
Caselli RJ, 768
Cassiman JJ, 452
Cataldo AM, 673
Cavazos JE, 413
Cedarbaum JM, 46
Centonze D, 586
Chang Y-S, 792
Chassande B, 640
Checler F, 673
Chen C, 703
Chioga BA, 390
Choi K, 79
Clementi E, 340
Clements JM, 815
Clifford KD, 46
Coats ME, 79

Codazzi F, 340
Cohen SL, 79
Cole AJ, 548
Coleman LT, 514
Comi G, 340, 809
Comi GP, 110
Consiglio A, 340
Cookfair DL, 79
Cornblath D, 688, 839
Cornblath DR, 547
Cornford EM, 801
Covey DF, 664
Crain B, 673
Crawford TO, 143
Crimmins DS, 350
Crook R, 394
Cudkowicz ME, 703
Cunningham VJ, 618
Cutrer FM, 25
Czep M, 458

D'Agruma L, 98
Dalakas M, 661
D'Alessandro M, 763
D'Amore J, 654
Date H, 273
Dean AC, 661
DeCarli C, 41
Deimling M, 164
Delacourte A, 193
Delasnerie-Laupretre N, 763
Delgado-Escueta AV, 485, 801
DeLorey TM, 485
Denckla MB, 688
Denis F, 684
de Silva R, 763
de Smet MD, 534
Deuschl G, 634
Devlin ME, 236
Dichgans J, 116
Didic M, 526
Ding X-S, 259
DiStefano PS, 46
Dobyns WB, 521
Dougherty DS, 79
Doyle TJ, 56
Duff K, 256
Dumas M, 684
Duncan JS, 618
Dürr A, 297
Dziewczapolski G, 561

Eckman C, 256
Edgar M, 576
Eidelberg D, 253
Eldemire DA, 545
Emslie-Smith A, 719
Enayat ZE, 390
Endo K, 288

Engel AG, 480, 719
EU Collaborative Study Group for CJD, 763
Evans A, 499

Fahn S, 551
Faient A, 123
Faldon M, 729
Farlow MR, 521
Farmer S, 729
Farrer M, 394
Farrer MJ, 380
Faught E, 274
Fazilat S, 41
Fazilat S, 41
Federici M, 613
Fields HL, 272
Fietzek U, 608
Figlewicz DA, 279
Filippi M, 332, 340, 499, 809
Fischer JS, 79
Fisher EMC, 380
Flanigan KM, 143
Forno LS, 768
Fortunato F, 110
Fowler DR, 673
Franceschina L, 110
Frank JA, 116, 499
Franke C, 458
Fraser RAR, 576
Free SL, 273
Friberg IK, 669
Frontali M, 244
FSH Consortium, 279
Fyhr I-M, 127

Gaillard WD, 41
Galpern W, 387
Gambarelli D, 526
Gao S, 545
Garcia K, 46
Garcia MC, 561
Garrett H, 4
Garruto RM, 815
Gasparini P, 98
Gasperini C, 332
Gauvreau D, 193
Gaymard B, 297
Gearing AJH, 815
Ge MN, 801
Gefeller O, 32
Geller BA, 645
Gershnik O, 561
Gibson WPR, 350
Gilden DH, 236
Gilgenkrantz H, 205
Gilliam F, 274
Glocke F-X, 608
Goadsby PJ, 272, 711
Goebel HH, 143

January issue, pp 1-148; February issue, pp 149-278; March issue, pp 279-410; April issue, pp 411-550; May issue, pp 551-690; June issue, pp 691-858.

INDEXES TO VOLUME 43

Author Index

Ablanedo P, 397
Ader HJ, 499
Agid Y, 297, 561
Aguirre T, 452
Alam JJ, 79
Al-Chalabi A, 390
Ali Chérif A, 526
Alperovitch A, 763
Andermann F, 687
Andersen H, 72
Andresen BS, 540
Anderson L, 815
Andreidis A, 815
Antonini A, 253
Aoki M, 645
Archelos JJ, 15
Arenas J, 397
Arwert F, 494
Asbury AK, 547
Augood SJ, 669
Ausenda CD, 110

Baird VH, 618
Balin BJ, 259
Balkany A, 654
Ball MJ, 131
Barber PC, 380
Barchi RL, 171
Barkhof F, 332, 499
Barnes PD, 224
Barnett JL, 673
Bartolozzi C, 244
Bartoszak DM, 79
Bash CN, 116
Bebin M, 274
Bech E, 72
Benabid AL, 180
Benarroch E, 839
Benarroch EE, 156
Benazzou A, 180
Benecke R, 634
Benedetti MS, 212
Bentley CR, 729
Berkovic SF, 435
Bernardi G, 586, 613
Bertram EH III, 748
Bianchi MC, 244
Bird TD, 131, 815
Blahd WH, 801
Bodemer M, 32
Bodine SC, 46
Boles L, 394
Bonanni P, 472
Bonci A, 613

Boncinelli E, 123
Bordoni A, 110
Boudouresques J, 526
Bourdet D, 79
Bowery NG, 618
Boyages SC, 350
Braiman J, 79
Brambilla E, 340
Brandt T, 164
Brantzen AJW, 265
Brashier A, 521
Breakfield XO, 669
Bresolin N, 110
Brice A, 297
Brierley EJ, 217
Briolotti V, 640
Bronstein AM, 729
Bronstein Y, 485
Brooks DJ, 618
Brosnan CF, 384
Brown RH Jr, 645, 703
Brown WT, 106
Brownell A-L, 387
Brownscheidle CM, 79
Brüning R, 164
Bruzzi P, 499
Bufler J, 458
Burgoon MP, 236
Burwinkel B, 326
Butler AC, 380
Butler IJ, 521
Byrne E, 350

Cabello A, 397
Calabresi P, 586
Calabresi PA, 116
Calne DB, 768
Camfield PR, 143
Campion M, 79
Campos Y, 397
Camu W, 640
Cancel G, 297
Carr L, 680
Carrara F, 98
Carson SR, 46
Caselli RJ, 768
Cassiman JJ, 452
Cataldo AM, 673
Cavazos JE, 413
Cedarbaum JM, 46
Centonze D, 586
Chang Y-S, 792
Chassande B, 640
Checler F, 673
Chen C, 703
Chioga BA, 390
Choi K, 79
Clementi E, 340
Clements JM, 815
Clifford KD, 46
Coats ME, 79

Codazzi F, 340
Cohan SL, 79
Cole AJ, 548
Coleman LT, 514
Comi G, 340, 809
Comi GP, 110
Consiglio A, 340
Cookfair DL, 79
Cornblath D, 688, 839
Cornblath DR, 547
Cornford EM, 801
Covey DF, 664
Crain B, 673
Crawford TO, 143
Crimmins DS, 350
Crook R, 394
Cudkowicz ME, 703
Cunningham VJ, 618
Cutrer FM, 25
Czep M, 458

D'Agruma L, 98
Dalakas M, 661
D'Alessandro M, 763
D'Amore J, 654
Date H, 273
Dean AC, 661
DeCarli C, 41
Deimling M, 164
Delacourte A, 193
Delasnerie-Laupretre N, 763
Delgado-Escueta AV, 485, 801
DeLorey TM, 485
Denckla MB, 688
Denis F, 684
de Silva R, 763
de Smet MD, 534
Deuschl G, 634
Devlin ME, 236
Dichgans J, 116
Didic M, 526
Ding X-S, 259
DiStefano PS, 46
Dobyns WB, 521
Dougherty DS, 79
Doyle TJ, 56
Duff K, 256
Dumas M, 684
Duncan JS, 618
Dürr A, 297
Dziewczapolski G, 561

Eckman C, 256
Edgar M, 576
Eidelberg D, 253
Eldemire DA, 545
Emslie-Smith A, 719
Enayat ZE, 390
Endo K, 288

Engel AG, 480, 719
EU Collaborative Study Group for CJD, 763
Evans A, 499

Fahn S, 551
Faiella A, 123
Faldon M, 729
Farlow MR, 521
Farmer S, 729
Farrer M, 394
Farrer MJ, 380
Faught E, 274
Fazilat S, 41
Fazilat S, 41
Federici M, 613
Fields HL, 272
Fietzek U, 608
Figlewicz DA, 279
Filippi M, 332, 340, 499, 809
Fischer JS, 79
Fisher EMC, 380
Flanigan KM, 143
Forno LS, 768
Fortunato F, 110
Fowler DR, 673
Franceschina L, 110
Frank JA, 116, 499
Franke C, 458
Fraser RAR, 576
Free SL, 273
Friberg IK, 669
Frontali M, 244
FSH Consortium, 279
Fyhr I-M, 127

Gaillard WD, 41
Galpern W, 387
Gambarelli D, 526
Gao S, 545
Garcia K, 46
García MC, 561
Garren H, 4
Garruto RM, 815
Gasparini P, 98
Gasperini C, 332
Gauvreau D, 193
Gaymard B, 297
Gearing AJH, 815
Gee MN, 801
Gefeller O, 32
Geller BA, 645
Gershnik O, 561
Gibson WPR, 350
Gilden DH, 236
Gilgenkrantz H, 205
Gilliam F, 274
Glocker F-X, 608
Goadsby PJ, 272, 711
Goebel HH, 143

January issue, pp 1-148; February issue, pp 149-278; March issue, pp 279-410; April issue, pp 411-550; May issue, pp 551-690; June issue, pp 691-858.

- Goetschalckx K, 452
 Goldman SA, 576
 Goodkin DE, 79
 Goodman RR, 576
 Graham BA, 661
 Granger CV, 79
 Graus F, 400
 Greenberg J, 259
 Gregersen N, 540
 Gresty MA, 729
 Griffin JW, 143
 Griggs RC, 279
 Grimaldi LME, 340
 Grohovaz F, 340
 Gross DW, 687
 Grossman M, 259
 Grossman RI, 499
 Gubellini P, 586
 Guerrini R, 472, 485
 Guilleminault C, 135
 Guthrie B, 274
 Gwinn K, 394

 Haase G, 205
 Hall KS, 545
 Halmagyi GM, 403
 Haltia M, 465
 Haltiner AM, 756
 Hand KSP, 618
 Handa S, 829
 Hanefeld F, 835
 Hardy J, 256, 394
 Harper CM, 480
 Harrison-Restelli C, 576
 Hartung H-P, 15, 427
 Harvey AS, 514
 Hasegawa H, 756
 Hatta J, 41
 Hattori Y, 677
 Hay DA, 435
 Hayashi M, 267
 Hayashi T, 288
 Hayman M, 514
 He YY, 664
 Hedley-Whyte ET, 703
 Heinen F, 608
 Heinz ER, 413
 Hendrie HC, 545
 Herndon RM, 79
 Higuchi J, 826
 Hirabayashi Y, 829
 Hirata K, 546, 685, 829
 Hirose G, 403
 Hirota K, 273
 Hodges JR, 151
 Hoffmann D, 180
 Hofman A, 763
 Holler E, 627
 Hopkins IJ, 514
 Hopper JL, 435
 Hornykiewicz O, 768
 Horsfield MA, 499, 809
 Horvitz HR, 645
 Hoskin KL, 711
 Hosler BA, 645
 Houzen H, 677

 Howard FM Jr, 768
 Howell RA, 435
 Hsu CY, 664
 Hu R, 664
 Hu Y, 664
 Hua LL, 384
 Hunneman DH, 835
 Häuppi PS, 224
 Hutton M, 256
 Hyland K, 521

 Iannetti P, 123
 Ibi T, 212
 Idezuka J, 288
 Igarashi S, 288
 Iivanainen M, 465
 Ikeda A, 598
 Imura T, 275
 Inuzuka T, 288
 Irie F, 829
 Isackson O, 387
 Ishiguro H, 273
 Isojärvi JIT, 446
 Ito J, 288
 Ivnik RJ, 303

 Jack CR Jr, 303
 Jackson MJ, 507
 Jacobs LD, 79
 Jakobsen J, 72
 James OFW, 217
 Jenner P, 507
 Jeon BS, 792
 Jeong J-M, 792
 Johnson MA, 217
 Johnson R, 102
 Johnson RT, 1, 689
 Johnson WG, 106, 394
 Jolesz FA, 224

 Kaczmarski A, 106
 Kaczmarski W, 106
 Kahn A, 205
 Kanda T, 267, 507
 Kanno M, 677
 Kappelle LJ, 494
 Karjalainen-Lindsberg M-L, 738
 Kasama T, 829
 Kase H, 507
 Kaste M, 738
 Kataoka S, 403
 Kates WR, 782
 Kato H, 835
 Katzman R, 7
 Kaufmann WE, 782
 Kawada J, 403
 Kawamata J, 275
 Kawas CH, 673
 Kessler JA, 654
 Kessling AM, 380
 Keyoung HM, 576
 Kida E, 106
 Kieseier BC, 427
 Kikinis R, 224
 Kikuchi S, 677

 Kilimann MW, 326
 Kim J-M, 792
 Kim K-M, 792
 Kimura J, 275, 598
 Kinkel RP, 79
 Kish SJ, 768
 Kitamoto T, 826
 Kjos BO, 756
 Knip M, 446
 Knowlton RC, 756
 Kobayashi T, 120
 Koene RAP, 265
 Koepp MJ, 618
 Koga Y, 835
 Kohlschütter A, 143
 Koivunen R, 446
 Kokmen E, 303
 Kolb H-J, 627
 Korenke GC, 835
 Korinthenberg R, 608, 634
 Kornberg AJ, 514
 Koudsie A, 180
 Krack P, 180
 Kraemer DLA, 756
 Kraner SD, 171
 Krarup C, 205
 Kraus H, 236
 Kretzschmar HA, 32
 Krumholz A, 549
 Kubisch C, 326
 Kuwana Y, 507
 Kuzniecky R, 274

 Labbé C, 618
 Lai D, 56
 Lai HM, 332
 Lajaunie M, 79
 Landa R, 782
 Landaw EM, 801
 Landis T, 406
 Lassmann H, 465
 Lazzarini AM, 106
 Le Bas JF, 180
 Lee EJ, 25
 Lee M-C, 792
 Lee MK, 673
 Lee S-B, 792
 Lee SC, 384
 Lee VM-Y, 259
 Leenders KL, 253
 Leigh PN, 390
 Lennon VA, 370
 Lewis DR, 46
 Lewis DV, 413
 Li LM, 687
 Lieberman AP, 259
 Lightowers RN, 217
 Limburg M, 494
 Limousin P, 180
 Lin C-LG, 645
 Lindemuth R, 326
 Lindsay RM, 46
 Lindsberg PJ, 738
 Lippa CF, 102
 Lipsett LJ, 350
 Liu H-G, 274

 Macharia W, 684
 Malafosse A, 640
 Malin J-P, 326
 Mandelkern MA, 801
 Maraganore D, 394
 Maraganore DM, 768
 Marfia GA, 586
 Marques W Jr, 680
 Martens-Davidson AL, 79
 Martin LJ, 673
 Martin MA, 397
 Martin R, 116
 Martinius J, 634
 Martino G, 340, 809
 Maruyama W, 212
 Mascalchi M, 244
 Mass MK, 79
 Mathijs G, 452
 Matsumine H, 120
 Matthews TD, 729
 Matuda S, 120
 Mayer E, 406
 Mazzocco MMM, 782
 McFarland HF, 116, 499
 McKenna-Yasek D, 703
 Meenken C, 534
 Mehta ND, 256
 Meininger V, 640
 Menaker M, 748
 Menalled LB, 561
 Menzaghi F, 311
 Mercuri NB, 613
 Meyer B-U, 360, 608
 Meyer MJ, 79
 Miller DH, 332, 499
 Miller K, 427
 Mima T, 598
 Minassian BA, 485
 Mitrova E, 763
 Miyatake T, 288
 Mizuno Y, 120
 Mizusawa H, 267
 Moggio M, 110
 Molyneux P, 499
 Molyneux PD, 332
 Mora M, 98
 Morgan OS, 545
 Morgan P, 465
 Morris JGL, 350
 Morrison D, 259
 Mortier W, 326
 Moseley IF, 332
 Moskowitz MA, 25
 Mostofsky SH, 782
 Motomura M, 677

- Moulard B, 640
 Mountz J, 274
 Muenter MD, 768
 Müller U, 634
The Multiple Sclerosis Collaborative Research Group, 79
Multiple Sclerosis Genetics Group, 530
 Munsat TL, 645
 Munschauer FE III, 79
 Murer MG, 561
 Muthane U, 283
 Myllylä VV, 446
- Nagamine T, 598
 Nakamura J, 507
 Nakamura T, 677
 Nakao N, 212
 Nakao Y, 677
 Naoi M, 212
 Napoli L, 110
 Narayana PA, 56
 Nedergaard M, 576
 Nemens Ej, 131, 815
 Newton CRJC, 695
 Nguyen T, 46
 Nigro G, 123
 Nixon RA, 673
 Nochlin D, 131
- O'Brien PC, 303
 Odaka M, 829
 Ogasawara T, 403
 Ohkoshi N, 267
 Ohlenbusch A, 835
 Ohnuki Y, 684
 Okano H, 576
 Okazaki H, 768
 Oldfors A, 127
 Olsen RW, 485
 Onkenhout W, 540
 Onodera O, 288
 Onoe K, 684
 Ørntoft TF, 72
 Østergaard L, 25
 Otto M, 32
 Owens GP, 236
 Oyake M, 288
 Ozelius LJ, 669
- Padovan CS, 627
 Paetau A, 738
 Paine M, 729
 Pakarinen AJ, 446
 Pals G, 494
 Pareyson D, 98
 Parisi JE, 156
 Park JS, 46
 Park S-S, 792
Parkinson Study Group, 318
 Parmeggiani A, 472
 Parmeggiani L, 472
 Paty DW, 499
 Pearce RKB, 507
- Pelayo R, 135
 Penney JB Jr, 669
 Perez-Tur J, 256, 394
 Petersen RC, 303
 Philippart M, 485
 Piddlesden S, 465
Pierrot-Deseilligny C, 297
 Pincus DW, 576
 Pinter MJ, 171
 Pisani A, 586
 Pischel HB, 427
 Pitz R, 458
 Plant GT, 729
 Plasmati R, 244
 Ploner CJ, 297
 Poccia M, 763
 Pollak P, 180
 Poncet M, 526
 Pongratz D, 326
 Poorkaj P, 815
Poorthuis BJHM, 540
 Poser S, 32, 763
 Powell JF, 390
 Prasher VP, 380
 Prelle A, 110
 Presgrave CM, 350
 Preux P-M, 684
 Previtali S, 15
 Priore RL, 79
 Ptáček LJ, 143
 Pullicino PM, 79
- Quigg M, 748
- Radley HE, 46
 Radunovic A, 390
 Raisman-Vozari R, 561
 Ranells J, 143
 Rapin I, 7
 Raskind M, 815
 Rätyä J, 446
 Refolo LM, 256
 Reichmann H, 326
 Reiser M, 164
 Reiss AL, 782
 Reivich M, 259
Research Group in Tropical Neurology, 684
 Reverdin A, 406
 Ribacoba R, 397
 Rich MM, 171
 Richardson MP, 618
 Richert JR, 79
 Riordan-Eva P, 729
 Ristimäki A, 738
 Rivaud-Pechoux S, 297
 Robberecht W, 452
 Robitaille Y, 193
 Rocca MA, 332, 809
 Röricht S, 360
 Rosen BR, 25
 Rosenbaum DM, 654
 Rostad SW, 756
 Rothstein JD, 645
 Rowland LP, 277, 691
 Rubin AJ, 106
- Rubio JC, 397
 Rudick RA, 79
 Ruff RL, 154, 370
 Rybak S, 654
- Sahashi K, 212
 Sahota A, 545
 Sairanen T, 738
 Saiz A, 400
 Sakakibara S-i, 576
 Salachas F, 640
 Salani S, 110
 Salazar AM, 79
 Salvi F, 244
 Sancesario G, 586
Sanchez del Rio M, 25
 Sanders S, 256
 Santucci M, 472
 Saper CB, 149
 Sartucci F, 472
 Sato S, 661
 Scarlato G, 110
 Scarpioni M, 613
 Schellenberg GD, 815
 Scherokman BJ, 79
 Scherzinger AL, 79
 Schleuning M, 627
 Schmalbruch H, 205
 Schneider JS, 311
 Scholte HR, 540
 Schon EA, 536
 Schwarz KO, 106
 Sciacco M, 110
 Sergeant N, 193
 Shankar SK, 283
 Shaw CE, 390
 Sheeder J, 79
 Shibasaki H, 598
 Shibuya S, 826
 Shield LK, 514
 Shimohama S, 275
 Shimohata T, 273
 Shin R-W, 826
 Shindo K, 837
 Shinnar S, 411
 Shinohara Y, 684
 Shiozawa Z, 837
 Shirakawa T, 403
 Shorvon SD, 273
 Simon J, 499
 Simon JH, 79
 Simonian N, 79
 Siniscalchi A, 613
 Sisodiya SM, 273
 Siuciak JA, 46
 Smelt AHM, 540
 Smialek JE, 673
 Smith GE, 303
 Smith LA, 507
 Smith TW, 102
 Smith-Jensen T, 236
 Smithson IL, 156
 Snow BJ, 768
 Song H-C, 792
 Sorensen AG, 25
 Sørensen J, 205
- Spalice A, 123
 Spuler S, 719
 Stambler N, 46
 Standaert DG, 669
 Steele J, 394
 Steinberger D, 634
 Steinman L, 4
 Stenoos ES, 106
 Storch MK, 465
 Straube A, 627
 Straume M, 748
 Strupp M, 164
 Sue CM, 350
 Sumi SM, 131
 Suzuki A, 829
 Suzuki T, 273
 Swartz BE, 801
 Sweeney MG, 680
- Taanman J-W, 110
 Takagi S, 684
 Takahashi W, 684
 Takano H, 273, 288
 Takiyama Y, 288
 Tanaka H, 273, 288
 Tangalos EG, 303
 Tapanainen JS, 446
 Tashiro K, 677
 Tassinari CA, 244
 Tateishi J, 826
 Tawil R, 279
 Tegenthoff M, 326
 Tekay A, 446
 Tessa C, 244
 Tettenborn B, 326
 Theodore WH, 41
 Thesiger CH, 545
 Thibodeau SN, 303
 Thomas PK, 680
 Tilkin P, 452
 Tiranti V, 98
 Tofts PS, 499
 Tolosa E, 400
 Tomimitsu H, 267
 Tonra JR, 46
 Tosetti M, 244
 Toyka KV, 15
 Trojanowski JQ, 259
 Troncoso JC, 673
 Trotter J, 15
 Truyen L, 332
 Tsang CS, 350
 Tsuji MK, 224
 Tsuji S, 273, 288
 Tsunoda S-i, 837
 Turnbull DM, 217
- Uhl GR, 555
US Modafinil in Narcolepsy Multicenter Study Group, 88
- Valenza N, 406
 Valldeoriola F, 400
 Valls-Solé J, 400
 Valzania F, 244

- van den Berg JSP, 494
 Van Den Bosch L, 452
 van den Horn GJ, 534
 van der Meer JTM, 534
 van Duijn C, 763
 van Duinen SG, 540
 VanLandingham KE, 413
 Van Ness P, 485
 Van Paesschen W, 618
 Van Velson M, 311
 Vernant J-C, 684
 Volpe JJ, 224
 Vorgerd M, 326
 Vossler DG, 756
 Vuilleumier P, 406
 Walker UA, 536
 Warfield S, 224
 Waring SC, 303
 Warrell DA, 695
 Warsofsky IS, 782
 Wattez A, 193
 Wavrant-De Vrieze F, 394
 Weber AM, 265
 Weber T, 32
 Weber Y, 634
 Wei[GermB]brich B, 15
 Wiederholt WC, 815
 Weiffenbach B, 279
 Weinstock-Guttmann B, 79
 Weiss HD, 277
 Weisskoff RM, 25
 Wijsman E, 815
 Weller M, 116
 Wells GMA, 427
 Wende K, 79
 West RJ, 380
 Westerveld A, 494
 Wetzels JFM, 265
 Whitham RH, 79
 Wick M, 458
 Wilichowski E, 835
 Wilkus RJ, 756
 Will RG, 763
 Wiltfang J, 32
 Windl O, 32
 Wintzen AR, 540
 Wisniewski KF, 106
 Wisniewski TM, 106
 Woiciechowsky C, 360
 Wolinsky JS, 56, 499
 Wood NW, 680
 Wu RH, 164
 Wyler AR, 756
 Xu YC, 303
 Yager D, 256
 Yamada KA, 664
 Yasha TC, 283
 Yazawa S, 598
 Yokota T, 267
 Yoon K-Y, 792
 Yoshii F, 684
 Yoshino H, 829
 Yoshino M, 835
 Yoshioka A, 403
 Young AB, 669
 Younkin S, 256
 Yousry TA, 332, 627
 Yuasa T, 288
 Yuki N, 546, 685, 839
 Yung WKA, 548
 Zelante L, 98
 Zerr I, 32, 763
 Zeviani M, 98, 110
 Zhang Q, 485
 Zhong N, 106
 Zientara GP, 224
 Zimmerman AW, 782
 Zipp F, 116
 Zlotchenko E, 46

Subject Index

Abnormalities

cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123

Accidental falls

"all fall down": the mechanism of orthostatic hypotension in multiple systems atrophy and Parkinson's disease (Saper) 1998;43:149 (Editorial)

Acetylcholine receptors; see Receptors, cholinergic

Acquired immunodeficiency syndrome

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

Acyl-coenzyme A dehydrogenase; see Fatty acid desaturases

Adenosine

adenosine A_{2A} antagonist: a novel antiparkinsonian agent that does not provoke dyskinesia in parkinsonian monkeys (Kanda et al) 1998;43:507

Adrenoleukodystrophy

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wilichowski et al) 1998;43:836 (Letter)

Africa

HTLV-I-associated facial nerve palsy in Africans and people of African descent (Preux et al) 1998;43:684 (Letter)

Age factors

low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

neuropathology of preclinical and clinical late-onset Alzheimer's disease (Troncoso et al) 1998;43:673

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

Aged

APOE allele frequencies in demented and nondemented elderly Jamaicans (Morgan et al) 1998;43:545 (Letter)

Aging

role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle (Brierley et al) 1998;43:217

Alleles

APOE allele frequencies in demented and nondemented elderly Jamaicans (Morgan et al) 1998;43:545 (Letter)

codon 219 Lys allele of PRNP is not found in sporadic Creutzfeldt-Jakob disease (Shibuya et al) 1998;43:826 what's in a name? amyotrophic lateral sclerosis, motor neuron disease, and allelic heterogeneity (Rowland) 1998;43:691 (Editorial)

Alzheimer's disease

amyloid angiopathy in a Volga German family with Alzheimer's disease and presenilin-2 mutation (N¹⁴¹I) (Nochlin et al) 1998;43:131

hippocampal atrophy and apolipoprotein E genotype are independently associated with Alzheimer's disease (Jack et al) 1998;43:303

medial temporal lobe in dementia with Lewy bodies: a comparative study with Alzheimer's disease (Lippa et al) 1998;43:102

molecular mapping of Alzheimer-type dementia in Down's syndrome (Prasher et al) 1998;43:380 neuropathology of preclinical and clinical late-onset Alzheimer's disease (Troncoso et al) 1998;43:673

permanent pure amnesia syndrome of insidious onset related to Alzheimer's disease (Didic et al) 1998;43:526 vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their τ isoform distribution and phosphorylation (Delacourte et al) 1998;43:193

Amino acids

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

Amnesia

diffusion-weighted MRI in transient global amnesia: elevated signal intensity in the left mesial temporal lobe in 7 of 10 patients (Strupp et al) 1998;43:164

permanent pure amnesia syndrome of insidious onset related to Alzheimer's disease (Didic et al) 1998;43:526 unraveling the enigma of transient global amnesia (Hodges) 1998;43:151 (Editorial)

Amyloid angiopathy; see Cerebral amyloid angiopathy

Amyloid beta-protein precursor

increased A β 42(43) from cell lines expressing presenilin 1 mutations (Mehta et al) 1998;43:256

Amyloidosis

amyloid myopathy: an underdiagnosed entity (Spuler et al) 1998;43:719

Amyotrophic lateral sclerosis

genetic variation in the ciliary neurotrophic factor receptor α gene and familial amyotrophic lateral sclerosis (Imura et al) 1998;43:275 (Letter)

increased sensitivity of fibroblasts from amyotrophic lateral sclerosis patients to oxidative stress (Aguirre et al) 1998;43:452

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

mutations in all five exons of *SOD-1* may cause ALS (Shaw et al) 1998;43:390

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

what's in a name? amyotrophic lateral sclerosis, motor neuron disease, and allelic heterogeneity (Rowland) 1998;43:691 (Editorial)

Angelman syndrome

Angelman syndrome: correlations between epilepsy phenotypes and genotypes (Minassian et al) 1998;43:485

Animal models

temporal distribution of partial seizures: comparison of an animal model with human partial epilepsy (Quigg et al) 1998;43:748

Annals of Neurology

message from the Editor (Johnson) 1998;43:1

Antibodies

association of IgM type anti-GM1 antibodies and muscle strength in chronic acquired demyelinating polyradiculopathy (Bech et al) 1998;43:72

multiple sclerosis: in situ evidence for antibody- and complement-mediated demyelination (Storch et al) 1998;43:465

N-glycolylneuraminic acid-containing GM1 is a new molecule for serum antibody in Guillain-Barré syndrome (Odaka et al) 1998;43:830

postinfection sensory neuropathy associated with IgG anti-GD1b antibody (Yuki and Hirata) 1998;43:685 (Letter)

Antibody specificity

specificity of the antibody response in multiple sclerosis (Garren et al) 1998;43:4 (Editorial)

Antigenic determinants

isolation and characterization of an oligodendrocyte precursor-derived B-cell epitope in multiple sclerosis (Archelos et al) 1998;43:15

Antigens

proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

Anti-GM1 antibodies; see Antibodies

Antineoplastic agents

physiological characterization of Taxol-induced large-fiber sensory neuropathy in the rat (Cliffer et al) 1998;43:46

Antioxidants

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

Antiparkinson agents

adenosine A_{2A} antagonist: a novel antiparkinsonian agent that does not provoke dyskinesia in parkinsonian monkeys (Kanda et al) 1998;43:507

Apolipoprotein E

APOE allele frequencies in demented and nondemented elderly Jamaicans (Morgan et al) 1998;43:545 (Letter)

hippocampal atrophy and apolipoprotein E genotype are independently associated with Alzheimer's disease (Jack et al) 1998;43:303

Ataxia

ataxia with isolated vitamin E deficiency and retinitis pigmentosa (Shimohata et al) 1998;43:273 (Letter)

eye movement abnormalities correlate with genotype in autosomal dominant cerebellar ataxia type I (Rivaud-Pechoux et al) 1998;43:297

proton magnetic resonance spectroscopy in an Italian family with spinocerebellar ataxia type 1 (Mascalchi et al) 1998;43:244

Atrophy

"all fall down": the mechanism of orthostatic hypotension in multiple systems atrophy and Parkinson's disease (Saper) 1998;43:149 (Editorial)

catastrophic deterioration and hippocampal atrophy after childhood status epilepticus (Gross et al) 1998;43:687 (Letter)

depletion of catecholaminergic neurons of the rostral ventrolateral medulla in multiple systems atrophy with autoimmune failure (Benarroch et al) 1998;43:156

extratemporal atrophy in patients with complex partial seizures of left temporal origin (DeCarli et al) 1998;43:41

hippocampal atrophy and apolipoprotein E genotype are independently associated with Alzheimer's disease (Jack et al) 1998;43:303

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

Aurintricarboxylic acid

pretreatment with intraventricular aurintricarboxylic acid decreases infarct size by inhibiting apoptosis following transient global ischemia in gerbils (Rosenbaum et al) 1998;43:654

Autism

neuroanatomical and neurocognitive differences in a pair of monozygous twins discordant for strictly defined autism (Kates et al) 1998;43:782

neurobiology of autism (Rapin and Katzman) 1998;43:7 (Neurological progress)

Autoantibodies

functional evaluation of inhibition of autonomic transmitter release by autoantibody from Lambert-Eaton myasthenic syndrome (Houzen et al) 1998;43:677

Autoimmune diseases

matrix metalloproteinases MMP-9 and MMP-7 are expressed in experimental autoimmune neuritis and the Guillain-Barré syndrome (Kieseier et al) 1998;43:427

Autonomic nervous system

depletion of catecholaminergic neurons of the rostral ventrolateral medulla in multiple systems atrophy with autoimmune failure (Benarroch et al) 1998;43:156

functional evaluation of inhibition of autonomic transmitter release by autoantibody from Lambert-Eaton myasthenic syndrome (Houzen et al) 1998;43:677

unmyelinated nerve fibers in sural nerve in pure autonomic failure (Kanda et al) 1998;43:267

Autoradiography

in vivo [¹¹C]flumazenil-PET correlates with ex vivo [³H]flumazenil autoradiography in hippocampal sclerosis (Koepf et al) 1998;43:618

Axons

localization of the giant axonal neuropathy gene to chromosome 16q24 (Flanigan et al) 1998;43:143 (Expedit ed publication)

B-lymphocytes

isolation and characterization of an oligodendrocyte precursor-derived B-cell epitope in multiple sclerosis (Archelos et al) 1998;43:15

Birth defects; see Abnormalities

Bone marrow transplantation

neurological and neuroradiological findings in long-term survivors of allogeneic bone marrow transplantation (Padovan et al) 1998;43:627

Books

Advances in Neuro-Oncology II, edited by Kornblith and Walker (Yung) 1998;43:548

Amyotrophic Lateral Sclerosis, edited by Mitsumoto et al (Rowland) 1998;43:277

Clinical Applications of Neurotropic Factors, edited by Apfel (Cornblath) 1998;43:688

Comprehensive Evaluation and Treatment of Epilepsy, edited by Schachter and Schomer (Krumholz) 1998;43:549

The Epilepsies 2, edited by Porter and Chadwick (Cole) 1998;43:548

Headache, edited by Goadsby and Silberstein (Weiss) 1998;43:277

The History of Neuroscience in Autobiography, Volume 1, edited by Squire (Johnson) 1998;43:689

The Lower Brainstem and Bodily Homeostasis, by Blessing (Benarroch) 1998;43:839

Neurology, by Donagh (Cornblath) 1998;43:839

Norman Geschwind: Selected Publication on Language, Epilepsy, and Behavior, edited by Devinsky and Schacter (Denckla) 1998;43:688

Bovine spongiform encephalopathy; see Encephalopathy, bovine spongiform

Brain, abnormalities

cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123

Brain, growth and development

neurobiology of autism (Rapin and Katzman) 1998;43:7 (Neurological progress)

quantitative magnetic resonance imaging of brain development in premature and mature newborns (Hüppi et al) 1998;43:224

Brain mapping

topography of fibers in the human corpus callosum mediating interhemispheric inhibition between the motor cortices (Meyer et al) 1998;43:360

Brain stem

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

skin vasoconstrictor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

CAG repeats; see Trinucleotide repeats

Calcium

proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

Campylobacter

preserved tendon reflexes in *Campylobacter* neuropathy (Yuki and Hirata) (Letter); (Asbury and Cornblath) (Reply) 1998;43:546

Capillaries

dynamic [¹⁸F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx (Cornford et al) 1998;43:801

Catecholamines

depletion of catecholaminergic neurons of the rostral ventrolateral medulla in multiple systems atrophy with autonomic failure (Benarroch et al) 1998;43:156

CD95; see Ligands

Cell death

hypothesis: the role of dopaminergic transporters in selective vulnerability of cells in Parkinson's disease (Uhl) 1998;43:555 (Point of view)

pretreatment with intraventricular aurintricarboxylic acid decreases infarct size by inhibiting apoptosis following transient global ischemia in gerbils (Rosenbaum et al) 1998;43:654

Cell line

increased A β 42(43) from cell lines expressing presenilin 1 mutations (Mehta et al) 1998;43:256

Cellular inclusions

upregulation of Fas/Fas ligand in inclusion body myositis (Fyhr and Oldfors) 1998;43:127

Central nervous system

role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle (Brierley et al) 1998;43:217

Cerebellar ataxia

eye movement abnormalities correlate with genotype in autosomal dominant cerebellar ataxia type I (Rivaud-Pechoux et al) 1998;43:297

Cerebellar diseases

detection of primary tumor in paraneoplastic cerebellar degeneration by FDG-PET (Shinohara et al) 1998;43:684 (Letter)

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

Cerebral amyloid angiopathy

amyloid angiopathy in a Volga German family with Alzheimer's disease and presenilin-2 mutation (N¹⁴¹I) (Nochlin et al) 1998;43:131

Cerebral cortex

cortical reflex myoclonus in Rett syndrome (Guerrini et al) 1998;43:472

pathogenesis of cortical myoclonus studied by magnetoencephalography (Mima et al) 1998;43:598

Cerebral infarction

cyclooxygenase-2 is induced globally in infarcted human brain (Sairain et al) 1998;43:738

pretreatment with intraventricular aurintricarboxylic acid decreases infarct size by inhibiting apoptosis following transient global ischemia in gerbils (Rosenbaum et al) 1998;43:654

primary position upbeat nystagmus due to unilateral medial medullary infarction (Hirose et al) 1998;43:403

Cerebral ischemia

diazoxide derivative IDRA 21 enhances ischemic hippocampal neuron injury (Yamada et al) 1998;43:664

pretreatment with intraventricular aurintricarboxylic acid decreases infarct size by inhibiting apoptosis following transient global ischemia in gerbils (Rosenbaum et al) 1998;43:654

striatal spiny neurons and cholinergic interneurons express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586

Cerebrospinal fluid

cerebrospinal fluid homovanillic acid levels in rapid-onset dystonia-parkinsonism (Brashears et al) 1998;43:521

detection of 14-3-3 protein in the cerebrospinal fluid supports the diagnosis of Creutzfeldt-Jakob disease (Zerr et al) 1998;43:32

Cervical arteries

role of type III collagen in spontaneous cervical arterial dissections (van den Berg et al) 1998;43:494

Child; see also Infant entries

absence of transcallosal inhibition following focal magnetic stimulation in preschool children (Heinen et al) 1998;43:608

catastrophic deterioration and hippocampal atrophy after childhood status epilepticus (Gross et al) 1998;43:687 (Letter)

narcolepsy in prepubertal children (Guilleminault and Pelley) 1998;43:135

Child development disorders, pervasive

neurobiology of autism (Rapin and Katzman) 1998;43:7 (Neurological progress)

- Chromosome deletion**
 association between centromeric deletions of the *SMN* gene and sporadic adult-onset lower motor neuron disease (Moulard et al) 1998;43:640
- Cytochrome c oxidase subunit I microdeletion** in a patient with motor neuron disease (Comi et al) 1998;43:110
- Chromosomes, human, pair 4**
 facioscapulohumeral dystrophy: a distinct regional myopathy with a novel molecular pathogenesis (Tawil et al) 1998;43:279 (Neurological progress)
- Chromosomes, human, pair 16**
 localization of the giant axonal neuropathy gene to chromosome 16q24 (Flanigan et al) 1998;43:143 (Expedited publication)
- Chromosomes, human, pair 17**
 tau is a candidate gene for chromosome 17 frontotemporal dementia (Poorkaj et al) 1998;43:815
- Chromosomes, human, pair 21**
 molecular mapping of Alzheimer-type dementia in Down's syndrome (Prasher et al) 1998;43:380
- Chronic acquired demyelinating polyneuropathy:** see *Demyelinating diseases*
- Ciliary neurotrophic factor**
 genetic variation in the ciliary neurotrophic factor receptor α gene and familial amyotrophic lateral sclerosis (Imura et al) 1998;43:275 (Letter)
- Cochlea**
 cochlear origin of hearing loss in MELAS syndrome (Sue et al) 1998;43:350
- Codon**
 codon 219 Lys allele of PRNP is not found in sporadic Creutzfeldt-Jakob disease (6et al) 1998;43:828
- Cognition disorders**
 cognitive, neuroimaging, and pathological studies in a patient with Pick's disease (Lieberman et al) 1998;43:259
- Collagen**
 role of type III collagen in spontaneous cervical arterial dissections (van den Berg et al) 1998;43:494
- Complement**
 multiple sclerosis: in situ evidence for antibody- and complement-mediated demyelination (Storch et al) 1998;43:465
- Complex I**
 complex I defect in muscle from patients with Huntington's disease (Arenas et al) 1998;43:397
- Complex partial epilepsy:** see *Epilepsy, complex partial*
- Congenital defects:** see *Abnormalities*
- Contrast-enhanced magnetic resonance imaging:** see *Magnetic resonance imaging*
- Convulsions, febrile**
 magnetic resonance imaging evidence of hippocampal injury after prolonged focal febrile convulsions (Van Landingham et al) 1998;43:413
- Copper**
 prolonged febrile seizures and mesial temporal sclerosis (Shinnar) 1998;43:411 (Editorial)
- Corpus callosum**
 absence of transcallosal inhibition following focal magnetic stimulation in preschool children (Heinen et al) 1998;43:608
- Topography of fibers in the human corpus callosum** mediating interhemispheric inhibition between the motor cortices (Meyer et al) 1998;43:360
- Corpus striatum**
 chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murphy et al) 1998;43:561
- Striatal spiny neurons and cholinergic interneurons** express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586
- Correction**
 activation mapping in essential tremor with functional magnetic resonance imaging (Bucher et al) 1997;41:32) 1998;43:410
- Corticospinal tracts:** see *Pyramidal tracts*
- Craniovascular stimulation, electric:** see *Electric stimulation*
- Creutzfeldt-Jakob syndrome**
 codon 219 Lys allele of PRNP is not found in sporadic Creutzfeldt-Jakob disease (Shibuya et al) 1998;43:826
 descriptive epidemiology of Creutzfeldt-Jakob disease in six European countries, 1993–1995 (Will et al) 1998;43:763
 detection of 14–3–3 protein in the cerebrospinal fluid supports the diagnosis of Creutzfeldt-Jakob disease (Zerr et al) 1998;43:32
- Cyclooxygenase**
 cyclooxygenase-2 is induced globally in infarcted human brain (Sairanen et al) 1998;43:738
- Cytochrome c oxidase**
 cytochrome c oxidase subunit I microdeletion in a patient with motor neuron disease (Comi et al) 1998;43:110
- Cytokines**
 proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340
- Cytomegaloviruses**
 cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123
- Death**
 mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318
- Dejerine-Sottas neuropathy**
 Dejerine-Sottas neuropathy and PMP22 point mutations: a new base pair substitution and a possible "hot spot" on Ser72 (Marques et al) 1998;43:680
- Dementia**
APOE allele frequencies in demented and nondemented elderly Jamaicans (Morgan et al) 1998;43:545 (Letter)
 hereditary form of parkinsonism–dementia (Muenter et al) 1998;43:768
 medial temporal lobe in dementia with Lewy bodies: a comparative study with Alzheimer's disease (Lippa et al) 1998;43:102
 molecular mapping of Alzheimer-type dementia in Down's syndrome (Prasher et al) 1998;43:380
 tau is a candidate gene for chromosome 17 frontotemporal dementia (Poorkaj et al) 1998;43:815
- Dementia, presenile**
 cognitive, neuroimaging, and pathological studies in a patient with Pick's disease (Lieberman et al) 1998;43:259
 vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their τ isoform distribution and phosphorylation (Delacourte et al) 1998;43:193

Demographics

clinical demographics of multiplex families with multiple sclerosis (Multiple Sclerosis Genetics Group) 1998;43:530

Demyelinating diseases; see also specific diseases

association of IgM type anti-GM1 antibodies and muscle strength in chronic acquired demyelinating polyneuropathy (Bech et al) 1998;43:72

multiple sclerosis: *in situ* evidence for antibody- and complement-mediated demyelination (Storch et al) 1998;43:465

serial proton magnetic resonance spectroscopic imaging, contrast-enhanced magnetic resonance imaging, and quantitative lesion volumetry in multiple sclerosis (Narayana et al) 1998;43:56

Deprenyl; see Selegiline**Diazoxide**

diazoxide derivative IDRA 21 enhances ischemic hippocampal neuron injury (Yamada et al) 1998;43:664

Diencephalon

fast eye movement initiation of ocular torsion in mesodiencephalic lesions (Bentley et al) 1998;43:729

Diffusion-weighted magnetic resonance imaging; see Magnetic resonance imaging**Dihydrolipoamide succinyltransferase**

Association between the gene encoding the E2 subunit of the α -ketoglutarate dehydrogenase complex and Parkinson's disease (Kobayashi et al) 1998;43:120

Dissection

role of type III collagen in spontaneous cervical arterial dissections (van den Berg et al) 1998;43:494

DNA, mitochondrial

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wilkowski et al) 1998;43:836 (Letter)

neurotrophin-4 is up-regulated in ragged-red fibers associated with pathogenic mitochondrial DNA mutations (Walker and Schon) 1998;43:536

novel mutation in the mitochondrial tRNA^{Val} gene associated with a complex neurological presentation (Tiranti et al) 1998;43:98

role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle (Brierley et al) 1998;43:217

DNA mutational analysis

mutation analysis in myophosphorylase deficiency (McArdle's disease) (Vorgerd et al) 1998;43:326

Dopamine

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561

dopamine transporter density measured by [¹²³I] β -CIT single-photon emission computed tomography is normal in dopa-responsive dystonia (Jeon et al) 1998;43:792

high penetrance and pronounced variation in expressivity of *GCH1* mutations in five families with dopa-responsive dystonia (Steinberger et al) 1998;43:634

hypothesis: the role of dopaminergic transporters in selective vulnerability of cells in Parkinson's disease (Uhl) 1998;43:555 (Point of view)

in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387

Down's syndrome

molecular mapping of Alzheimer-type dementia in Down's syndrome (Prasher et al) 1998;43:380

Drug delivery systems

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

Dyskinesia; see Movement disorders**Dystonia**

cerebrospinal fluid homovanillic acid levels in rapid-onset dystonia-parkinsonism (Brashear et al) 1998;43:521

dopamine transporter density measured by [¹²³I] β -CIT single-photon emission computed tomography is normal in dopa-responsive dystonia (Jeon et al) 1998;43:792

high penetrance and pronounced variation in expressivity of *GCH1* mutations in five families with dopa-responsive dystonia (Steinberger et al) 1998;43:634

Dystonia musculorum deformans

expression of the early-onset torsion dystonia gene (DYT1) in human brain (Augood et al) 1998;43:669

Electric stimulation

opposite motor effects of pallidal stimulation in Parkinson's disease (Krack et al) 1998;43:180

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Electroencephalography

temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

Electromyography

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171

Encephalopathy, bovine spongiform

descriptive epidemiology of Creutzfeldt-Jakob disease in six European countries, 1993–1995 (Will et al) 1998;43:763

Ependyma

fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576

Epilepsy

Angelman syndrome: correlations between epilepsy phenotypes and genotypes (Minassian et al) 1998;43:485

epilepsies in twins: genetics of the major epilepsy syndromes (Berkovic et al) 1998;43:435

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

Epilepsy, complex partial

extratemporal atrophy in patients with complex partial seizures of left temporal origin (DeCarli et al) 1998;43:41

Epilepsy, partial

temporal distribution of partial seizures: comparison of an animal model with human partial epilepsy (Quigg et al) 1998;43:748

Epilepsy, temporal lobe

extratemporal atrophy in patients with complex partial seizures of left temporal origin (DeCarli et al) 1998;43:41

temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

Epitope; see Antigenic determinants**Europe**

descriptive epidemiology of Creutzfeldt-Jakob disease in six European countries, 1993–1995 (Will et al) 1998; 43:763

Experimental autoimmune neuritis; see Neuritis**Eye movements**

eye movement abnormalities correlate with genotype in autosomal dominant cerebellar ataxia type I (Rivaudo-Pechoux et al) 1998;43:297

fast eye movement initiation of ocular torsion in mesodiencephalic lesions (Bentley et al) 1998;43:729

paroxysmal tonic upgaze: a reappraisal of outcome (Hayman et al) 1998;43:514

Facial paralysis

HTLV-I-associated facial nerve palsy in Africans and people of African descent (Preux et al) 1998;43:684 (Letter)

Falciparum malaria; see Malaria, falciparum**Falls; see Accidental falls****Fas ligand; see Ligands****Fascioscapulohumeral dystrophy**

fascioscapulohumeral dystrophy: a distinct regional myopathy with a novel molecular pathogenesis (Tawil et al) 1998;43:279 (Neurological progress)

Fatty acid desaturases

very long chain acyl-coenzyme A dehydrogenase deficiency with adult onset (Smelt et al) 1998;43:540

FDG-PET; see Tomography, emission-computed**Febrile seizures; see Convulsions, febrile****Fibroblast growth factor**

fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576

Fibroblasts

increased sensitivity of fibroblasts from amyotrophic lateral sclerosis patients to oxidative stress (Aguirre et al) 1998;43:452

Flumazenil

in vivo [¹¹C]flumazenil-PET correlates with ex vivo [³H]flumazenil autoradiography in hippocampal sclerosis (Koepf et al) 1998;43:618

Fluorodeoxyglucose positron emission tomography; see Tomography, emission-computed**14-3-3 protein**

detection of 14-3-3 protein in the cerebrospinal fluid supports the diagnosis of Creutzfeldt-Jakob disease (Zerr et al) 1998;43:32

Gene expression

expression of the early-onset torsion dystonia gene (DYT1) in human brain (Augood et al) 1998;43:669
genetic variation in the ciliary neurotrophic factor receptor α gene and familial amyotrophic lateral sclerosis (Imura et al) 1998;43:275 (Letter)

Gene transfer; see Transfection**Genotype**

Angelman syndrome: correlations between epilepsy phenotypes and genotypes (Minassian et al) 1998;43:485

compound heterozygous genotype is associated with protracted juvenile neuronal ceroid lipofuscinosis (Wisniewski et al) 1998;43:106

eye movement abnormalities correlate with genotype in autosomal dominant cerebellar ataxia type I (Rivaudo-Pechoux et al) 1998;43:297

hippocampal atrophy and apolipoprotein E genotype are independently associated with Alzheimer's disease (Jack et al) 1998;43:303

Germ cells

restricted use of V_H4 germline segments in an acute multiple sclerosis brain (Owens et al) 1998;43:236

Giant axonal neuropathy

localization of the giant axonal neuropathy gene to chromosome 16q24 (Flanigan et al) 1998;43:143 (Expedit-ed publication)

Globus pallidus

opposite motor effects of pallidal stimulation in Parkinson's disease (Krack et al) 1998;43:180

Glutamates

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

striatal spiny neurons and cholinergic interneurons express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586

Glycogen storage disease type V

mutation analysis in myophosphorylase deficiency (McArdle's disease) (Vorgerd et al) 1998;43:326

Glycolylneuraminic acid

N-glycolylneuraminic acid-containing GM1 is a new molecule for serum antibody in Guillain-Barré syndrome (Odaka et al) 1998;43:830

G(M1) ganglioside

N-glycolylneuraminic acid-containing GM1 is a new molecule for serum antibody in Guillain-Barré syndrome (Odaka et al) 1998;43:829

GTP cyclohydrolase

high penetrance and pronounced variation in expressivity of GCH1 mutations in five families with dopa-responsive dystonia (Steinberger et al) 1998;43:634

Guidelines

guidelines for using quantitative measures of brain magnetic resonance imaging abnormalities in monitoring the treatment of multiple sclerosis (Filippi et al) 1998; 43:499

Guillain-Barré syndrome; see Polyradiculoneuritis**Hamartoma**

surgical treatment of hypothalamic hamartoma (Sisodiya et al) (Letter); (Kuzniecky et al) (Reply) 1998;43:273

Headache

on the functional anatomy of migraine (Goadsby and Fields) 1998;43:272 (Letter)

perfusion-weighted imaging defects during spontaneous migrainous aura (Cutrer et al) 1998;43:25

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Hearing disorders

cochlear origin of hearing loss in MELAS syndrome (Sue et al) 1998;43:350

Hematoma

near and far visual space in unilateral neglect (Vuilleumier et al) 1998;43:406

Heterozygote

compound heterozygous genotype is associated with protracted juvenile neuronal ceroid lipofuscinosis (Wisniewski et al) 1998;43:106

Hippocampus

- catastrophic deterioration and hippocampal atrophy after childhood status epilepticus (Gross et al) 1998;43:687 (Letter)
diazoxide derivative IDRA 21 enhances ischemic hippocampal neuron injury (Yamada et al) 1998;43:664
hippocampal atrophy and apolipoprotein E genotype are independently associated with Alzheimer's disease (Jack et al) 1998;43:303
in vivo [¹¹C]flumazenil-PET correlates with *ex vivo* [³H]flumazenil autoradiography in hippocampal sclerosis (Koepf et al) 1998;43:618
magnetic resonance imaging evidence of hippocampal injury after prolonged focal febrile convulsions (Van Landingham et al) 1998;43:413
temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

Homovanillic acid

- cerebrospinal fluid homovanillic acid levels in rapid-onset dystonia-parkinsonism (Brashear et al) 1998;43:521

HTLV-I

- HTLV-I-associated facial nerve palsy in Africans and people of African descent (Preux et al) 1998;43:684 (Letter)

Huntington chorea

- [¹¹C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253
complex I defect in muscle from patients with Huntington's disease (Arenas et al) 1998;43:397
striatal spiny neurons and cholinergic interneurons express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586

Hyponatremia

- hyponatremia due to sodium valproate (Brantén et al) 1998;43:265

Hypotension, orthostatic

- "all fall down": the mechanism of orthostatic hypotension in multiple systems atrophy and Parkinson's disease (Saper) 1998;43:149 (Editorial)

Hypothalamic diseases

- surgical treatment of hypothalamic hamartoma (Sisodiya et al) (Letter); (Kuzniecky et al) (Reply) 1998;43:273

IgG

- postinfection sensory neuropathy associated with IgG anti-GD1b antibody (Yuki and Hirata) 1998;43:685 (Letter)

purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458

restricted use of V_H4 germline segments in an acute multiple sclerosis brain (Owens et al) 1998;43:236

IgM

- association of IgM type anti-GM1 antibodies and muscle strength in chronic acquired demyelinating polyneuropathy (Bech et al) 1998;43:72

Immunoglobulins, heavy-chain

- restricted use of V_H4 germline segments in an acute multiple sclerosis brain (Owens et al) 1998;43:236

Inappropriate ADH syndrome

- hyponatremia due to sodium valproate (Brantén et al) 1998;43:265

Inclusion bodies; see Cellular inclusions**India**

- low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

Infant, newborn

- quantitative magnetic resonance imaging of brain development in premature and mature newborns (Hüppi et al) 1998;43:224

Infant, premature

- quantitative magnetic resonance imaging of brain development in premature and mature newborns (Hüppi et al) 1998;43:224

Infection

- cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123

- neurological manifestations of falciparum malaria (Newton and Warrell) 1998;43:695 (Neurological progress) postinfection sensory neuropathy associated with IgG anti-GD1b antibody (Yuki and Hirata) 1998;43:685 (Letter)

Inflammation

- proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

Insulin

- valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

Intensive care units

- why do ICU patients become paralyzed? (Ruff) 1998;43:154 (Editorial)

Interferon-beta

- magnetic resonance studies of intramuscular interferon β-1a for relapsing multiple sclerosis (Simon et al) 1998;43:79

- selective inhibition of human glial inducible nitric oxide synthase by interferon-β: implications for multiple sclerosis (Hua et al) 1998;43:384

Interneurons

- striatal spiny neurons and cholinergic interneurons express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586

Jamaica

- APOE allele frequencies in demented and nondemented elderly Jamaicans (Morgan et al) 1998;43:545 (Letter)

Ketoglutarate dehydrogenase complex

- Association between the gene encoding the E2 subunit of the α-ketoglutarate dehydrogenase complex and Parkinson's disease (Kobayashi et al) 1998;43:120

Lambert-Eaton myasthenic syndrome

- functional evaluation of inhibition of autonomic transmitter release by autoantibody from Lambert-Eaton myasthenic syndrome (Houzen et al) 1998;43:677

Lamotrigine

- valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

Leg

- stiff-leg syndrome: a focal form of stiff-man syndrome (Saiz et al) 1998;43:400

Levodopa

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998; 43:561
effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311
modification of levodopa responses by deprenyl (selegiline): an electrophysiological and behavioral study in the rat relevant to Parkinson's disease (Mercuri et al) 1998;43:613
welcome news about levodopa, but uncertainty remains (Fahn) 1998;43:551 (Editorial)

Lewy bodies

medial temporal lobe in dementia with Lewy bodies: a comparative study with Alzheimer's disease (Lippa et al) 1998;43:102

Ligands

increased serum levels of soluble CD95 (APO-1/Fas) in relapsing-remitting multiple sclerosis (Zipp et al) 1998; 43:116
upregulation of Fas/Fas ligand in inclusion body myositis (Fyhr and Oldfors) 1998;43:127

Lymphocytes

(R)salsolinol N-methyltransferase activity increases in parkinsonian lymphocytes (Naoy et al) 1998;43:212

Machado-Joseph disease; see Spinocerebellar degeneration

Magnetic resonance imaging

correlations between monthly enhanced MRI lesion rate and changes in T2 lesion volume in multiple sclerosis (Molyneux et al) 1998;43:332
diffusion-weighted MRI in transient global amnesia: elevated signal intensity in the left mesial temporal lobe in 7 of 10 patients (Strupp et al) 1998;43:164
guidelines for using quantitative measures of brain magnetic resonance imaging abnormalities in monitoring the treatment of multiple sclerosis (Filippi et al) 1998; 43:499
magnetic resonance imaging evidence of hippocampal injury after prolonged focal febrile convulsions (Van Landingham et al) 1998;43:413
magnetic resonance studies of intramuscular interferon β -1a for relapsing multiple sclerosis (Simon et al) 1998; 43:79
perfusion-weighted imaging defects during spontaneous migrainous aura (Cutrer et al) 1998;43:25
quantitative magnetic resonance imaging of brain development in premature and mature newborns (Hüppi et al) 1998;43:224
serial proton magnetic resonance spectroscopic imaging, contrast-enhanced magnetic resonance imaging, and quantitative lesion volumetry in multiple sclerosis (Narayana et al) 1998;43:56

Magnetic resonance spectroscopy; see Nuclear magnetic resonance

Magnetic stimulation

absence of transcallosal inhibition following focal magnetic stimulation in preschool children (Heinen et al) 1998;43:608

Magnetization transfer imaging

magnetization transfer changes in the normal appearing white matter precede the appearance of enhancing le-

sions in patients with multiple sclerosis (Filippi et al) 1998;43:809

Magnetoencephalography

pathogenesis of cortical myoclonus studied by magnetoencephalography (Mima et al) 1998;43:598

Malaria, falciparum

neurological manifestations of falciparum malaria (Newton and Warrell) 1998;43:695 (Neurological progress)

Matrix metalloproteinases; see Metalloproteinases

McArdle's disease; see Glycogen storage disease type V

Medulla oblongata

depletion of catecholaminergic neurons of the rostral ventrolateral medulla in multiple systems atrophy with autoimmune failure (Benarroch et al) 1998;43:156
primary position upbeat nystagmus due to unilateral medial medullary infarction (Hirose et al) 1998;43:403

MELAS syndrome

cochlear origin of hearing loss in MELAS syndrome (Sue et al) 1998;43:350

MELAS exhibits dominant negative effects on mitochondrial RNA processing (Koga et al) 1998;43:836 (Letter)

Memory disorders

diffusion-weighted MRI in transient global amnesia: elevated signal intensity in the left mesial temporal lobe in 7 of 10 patients (Strupp et al) 1998;43:164
permanent pure amnestic syndrome of insidious onset related to Alzheimer's disease (Didic et al) 1998;43:526
unraveling the enigma of transient global amnesia (Hodges) 1998;43:151 (Editorial)

Mesial temporal sclerosis; see Sclerosis

Mesodiencephalon; see Diencephalon

Message from the Editor

message from the Editor (Johnson) 1998;43:1

Metalloproteinases

matrix metalloproteinases MMP-9 and MMP-7 are expressed in experimental autoimmune neuritis and the Guillain-Barré syndrome (Kieseier et al) 1998;43:427

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

Microdeletion; see Chromosome deletion

Migraine

on the functional anatomy of migraine (Goadsby and Fields) 1998;43:272 (Letter)

perfusion-weighted imaging defects during spontaneous migrainous aura (Cutrer et al) 1998;43:25

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Mitochondria

MELAS exhibits dominant negative effects on mitochondrial RNA processing (Koga et al) 1998;43:836 (Letter)
novel mutation in the mitochondrial tRNA^{Val} gene associated with a complex neurological presentation (Tiranti et al) 1998;43:98

Mitochondrial DNA; see DNA, mitochondrial

Modafinil

randomized trial of modafinil for the treatment of pathological somnolence in narcolepsy (US Modafinil in Narcolepsy Multicenter Study Group) 1998;43:88

Monozygous twins; see Twins

Mortality; see Death

Motor cortex

topography of fibers in the human corpus callosum mediating interhemispheric inhibition between the motor cortices (Meyer et al) 1998;43:360

Motor neuron disease

association between centromeric deletions of the *SMN* gene and sporadic adult-onset lower motor neuron disease (Moulard et al) 1998;43:640

cytochrome *c* oxidase subunit I microdeletion in a patient with motor neuron disease (Comi et al) 1998;43:110

what's in a name? amyotrophic lateral sclerosis, motor neuron disease, and allelic heterogeneity (Rowland) 1998;43:691 (Editorial)

Movement disorders

adenosine A_{2A} antagonist: a novel antiparkinsonian agent that does not provoke dyskinesia in parkinsonian monkeys (Kanda et al) 1998;43:507

MPTP; see 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine

Multiple sclerosis, analysis

increased serum levels of soluble CD95 (APO-1/Fas) in relapsing-remitting multiple sclerosis (Zipp et al) 1998; 43:116

proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

restricted use of V_H4 germline segments in an acute multiple sclerosis brain (Owens et al) 1998;43:236

Multiple sclerosis, cytology

isolation and characterization of an oligodendrocyte precursor-derived B-cell epitope in multiple sclerosis (Archelos et al) 1998;43:15

Multiple sclerosis, drug therapy

magnetic resonance studies of intramuscular interferon β -1a for relapsing multiple sclerosis (Simon et al) 1998; 43:79

Multiple sclerosis, epidemiology

clinical demographics of multiplex families with multiple sclerosis (Multiple Sclerosis Genetics Group) 1998;43: 530

Multiple sclerosis, etiology

selective inhibition of human glial inducible nitric oxide synthase by interferon- β : implications for multiple sclerosis (Hua et al) 1998;43:384

Multiple sclerosis, genetics

clinical demographics of multiplex families with multiple sclerosis (Multiple Sclerosis Genetics Group) 1998;43: 530

Multiple sclerosis, immunology

specificity of the antibody response in multiple sclerosis (Garren et al) 1998;43:4 (Editorial)

Multiple sclerosis, pathology

correlations between monthly enhanced MRI lesion rate and changes in T2 lesion volume in multiple sclerosis (Molyneux et al) 1998;43:332

magnetization transfer changes in the normal appearing white matter precede the appearance of enhancing lesions in patients with multiple sclerosis (Filippi et al) 1998;43:809

multiple sclerosis: *in situ* evidence for antibody- and complement-mediated demyelination (Storch et al) 1998;43:465

serial proton magnetic resonance spectroscopic imaging, contrast-enhanced magnetic resonance imaging, and

quantitative lesion volumetry in multiple sclerosis (Narayana et al) 1998;43:56

Multiple sclerosis, therapy

guidelines for using quantitative measures of brain magnetic resonance imaging abnormalities in monitoring the treatment of multiple sclerosis (Filippi et al) 1998;43:499

Multiple systems atrophy; see Atrophy

Muscle contraction

association of IgM type anti-GM1 antibodies and muscle strength in chronic acquired demyelinating polyradiculopathy (Bech et al) 1998;43:72

Muscle rigidity

stiff-leg syndrome: a focal form of stiff-man syndrome (Saiz et al) 1998;43:400

Muscles, genetics

role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle (Brierley et al) 1998;43:217

Muscular atrophy, spinal

association between centromeric deletions of the *SMN* gene and sporadic adult-onset lower motor neuron disease (Moulard et al) 1998;43:640

Muscular diseases

amyloid myopathy: an underdiagnosed entity (Spuler et al) 1998;43:719

complex I defect in muscle from patients with Huntington's disease (Arenas et al) 1998;43:397

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171

Muscular dystrophy

facioscapulohumeral dystrophy: a distinct regional myopathy with a novel molecular pathogenesis (Tawil et al) 1998;43:279 (Neurological progress)

Mutation

amyloid angiopathy in a Volga German family with Alzheimer's disease and presenilin-2 mutation ($N^{141}I$) (Nochlin et al) 1998;43:131

Dejerine-Sottas neuropathy and PMP22 point mutations: a new base pair substitution and a possible "hot spot" on Ser72 (Marques et al) 1998;43:680

high penetrance and pronounced variation in expressivity of *GCH1* mutations in five families with dopamine-responsive dystonia (Steinberger et al) 1998;43:634

increased $A\beta42(43)$ from cell lines expressing presenilin 1 mutations (Mehta et al) 1998;43:256

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

low frequency of α -synuclein mutations in familial Parkinson's disease (Farrer et al) 1998;43:394

mutation analysis in myophosphorylase deficiency (McArdle's disease) (Vorgerd et al) 1998;43:326

mutations in all five exons of *SOD-1* may cause ALS (Shaw et al) 1998;43:390

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

neurotrophin-4 is up-regulated in ragged-red fibers associated with pathogenic mitochondrial DNA mutations (Walker and Schon) 1998;43:536

novel mutation in the mitochondrial tRNA^{Val} gene associated with a complex neurological presentation (Tiranti et al) 1998;43:98

role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle (Brierley et al) 1998;43:217

- very long chain acyl-coenzyme A dehydrogenase deficiency with adult onset (Smelt et al) 1998;43:540
- Myasthenia gravis**
end-plate voltage-gated sodium channels are lost in clinical and experimental myasthenia gravis (Ruff and Lennon) 1998;43:370
purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458
- Myelin proteins**
Dejerine-Sottas neuropathy and PMP22 point mutations: a new base pair substitution and a possible "hot spot" on Ser72 (Marques et al) 1998;43:680
- Myoclonus**
cortical reflex myoclonus in Rett syndrome (Guerrini et al) 1998;43:472
pathogenesis of cortical myoclonus studied by magnetoencephalography (Mima et al) 1998;43:598
- Myopathy; see Muscular diseases**
- Myophosphorylase deficiency; see Glycogen storage disease type V**
- Myositis**
upregulation of Fas/Fas ligand in inclusion body myositis (Fyhr and Oldfors) 1998;43:127
- Narcolepsy**
narcolepsy in prepubertal children (Guilleminault and Pelayo) 1998;43:135
randomized trial of modafinil for the treatment of pathological somnolence in narcolepsy (US Modafinil in Narcolepsy Multicenter Study Group) 1998;43:88
- Neglect, visual; see Vision disorders**
- Nerve fibers**
topography of fibers in the human corpus callosum mediating interhemispheric inhibition between the motor cortices (Meyer et al) 1998;43:360
unmyelinated nerve fibers in sural nerve in pure autonomic failure (Kanda et al) 1998;43:267
- Nerve transfer**
in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387
- Neural transplantation; see Nerve transfer**
- Neuritis**
matrix metalloproteinases MMP-9 and MMP-7 are expressed in experimental autoimmune neuritis and the Guillain-Barré syndrome (Kieseier et al) 1998;43:427
- Neurofibrillary tangles**
tau is a candidate gene for chromosome 17 frontotemporal dementia (Poorkaj et al) 1998;43:815
- Neuroglia**
selective inhibition of human glial inducible nitric oxide synthase by interferon- β : implications for multiple sclerosis (Hua et al) 1998;43:384
- Neuron ceroid-lipofuscinosis**
compound heterozygous genotype is associated with protracted juvenile neuronal ceroid lipofuscinosis (Wisniewski et al) 1998;43:106
- Neurons**
chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561
depletion of catecholaminergic neurons of the rostral ventrolateral medulla in multiple systems atrophy with autoimmune failure (Benarroch et al) 1998;43:156
- diazoxide derivative IDRA 21 enhances ischemic hippocampal neuron injury (Yanada et al) 1998;43:664
fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576
hypothesis: the role of dopaminergic transporters in selective vulnerability of cells in Parkinson's disease (Uhl) 1998;43:555 (Point of view)
low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283
striatal spiny neurons and cholinergic interneurons express differential ionotropic glutamatergic responses and vulnerability: implications for ischemia and Huntington's disease (Calabresi et al) 1998;43:586
vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their τ isoform distribution and phosphorylation (Delacourte et al) 1998;43:193
- Neuropathies, sensory**
postinfection sensory neuropathy associated with IgG anti-GD1b antibody (Yuki and Hirata) 1998;43:685 (Letter)
- Neuropathies, sensory, drug-induced**
physiological characterization of Taxol-induced large-fiber sensory neuropathy in the rat (Cliffer et al) 1998;43:46
- Neuroradiography**
neurological and neuroradiological findings in long-term survivors of allogeneic bone marrow transplantation (Padovan et al) 1998;43:627
- Neurotrophic factor**
fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576
- Neurotrophin-4**
neurotrophin-4 is up-regulated in ragged-red fibers associated with pathogenic mitochondrial DNA mutations (Walker and Schon) 1998;43:536
- Newborn; see Infant, newborn**
- Nicotinic receptors; see Receptors, nicotinic**
- Nitric oxide**
selective inhibition of human glial inducible nitric oxide synthase by interferon- β : implications for multiple sclerosis (Hua et al) 1998;43:384
- N-methyl(R)salsolinol**
(R)salsolinol N-methyltransferase activity increases in parkinsonian lymphocytes (Naoi et al) 1998;43:212
- Nuclear magnetic resonance**
proton magnetic resonance spectroscopy in an Italian family with spinocerebellar ataxia type 1 (Mascalchi et al) 1998;43:244
serial proton magnetic resonance spectroscopic imaging, contrast-enhanced magnetic resonance imaging, and quantitative lesion volumetry in multiple sclerosis (Narayana et al) 1998;43:56
- Nystagmus**
primary position upbeat nystagmus due to unilateral medial medullary infarction (Hirose et al) 1998;43:403
- Object retrieval performance; see Task performance and analysis**
- Ocular motility disorders**
fast eye movement initiation of ocular torsion in mesodiencephalic lesions (Bentley et al) 1998;43:729

Oligodendroglia

isolation and characterization of an oligodendrocyte precursor-derived B-cell epitope in multiple sclerosis (Archelos et al) 1998;43:15

Optic neuritis

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

**Orthostatic hypotension; see Hypotension, orthostatic
Oxidative stress**

increased sensitivity of fibroblasts from amyotrophic lateral sclerosis patients to oxidative stress (Aguirre et al) 1998;43:452

Paclitaxel

physiological characterization of Taxol-induced large-fiber sensory neuropathy in the rat (Cliffer et al) 1998;43:46

Pallidus; see Globus pallidus**Paralysis**

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171
why do ICU patients become paralyzed? (Ruff) 1998;43:154 (Editorial)

Paraneoplastic syndromes

detection of primary tumor in paraneoplastic cerebellar degeneration by FDG-PET (Shinohara et al) 1998;43:684 (Letter)

Parkinson's disease, analysis

cerebrospinal fluid homovanillic acid levels in rapid-onset dystonia-parkinsonism (Brashear et al) 1998;43:521

Parkinson's disease, drug therapy

adenosine A_{2A} antagonist: a novel antiparkinsonian agent that does not provoke dyskinesia in parkinsonian monkeys (Kanda et al) 1998;43:507

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561

modification of levodopa responses by deprenyl (selegiline): an electrophysiological and behavioral study in the rat relevant to Parkinson's disease (Mercuri et al) 1998;43:613

welcome news about levodopa, but uncertainty remains (Fahn) 1998;43:551 (Editorial)

Parkinson's disease, genetics

Association between the gene encoding the E2 subunit of the α -ketoglutarate dehydrogenase complex and Parkinson's disease (Kobayashi et al) 1998;43:120

hereditary form of parkinsonism-dementia (Muenter et al) 1998;43:768

low frequency of α -synuclein mutations in familial Parkinson's disease (Farrer et al) 1998;43:394

Parkinson's disease, mortality

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

Parkinson's disease, pathology

hypothesis: the role of dopaminergic transporters in selective vulnerability of cells in Parkinson's disease (Uhl) 1998;43:555 (Point of view)

low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

(R)salsolinol N-methyltransferase activity increases in parkinsonian lymphocytes (Naoi et al) 1998;43:212

Parkinson's disease, physiopathology

"all fall down": the mechanism of orthostatic hypotension in multiple systems atrophy and Parkinson's disease (Saper) 1998;43:149 (Editorial)

opposite motor effects of pallidal stimulation in Parkinson's disease (Krack et al) 1998;43:180

Parkinson's disease, surgery

in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387

Partial epilepsy; see Epilepsy, partial**Perfusion-weighted magnetic resonance imaging; see Magnetic resonance imaging****Peripheral nerves**

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

PET; see Tomography, emission-computed**Phenotype**

Angelman syndrome: correlations between epilepsy phenotypes and genotypes (Minassian et al) 1998;43:485

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wiliuchowski et al) 1998;43:836 (Letter)

Phosphorylation

vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their τ isoform distribution and phosphorylation (Delacourte et al) 1998;43:193

Pick's disease; see Dementia, presenile**Plasmodium falciparum**

neurological manifestations of falciparum malaria (Newton and Warrell) 1998;43:695 (Neurological progress)

PMP22; see Myelin proteins**Polyradiculoneuritis**

matrix metalloproteinases MMP-9 and MMP-7 are expressed in experimental autoimmune neuritis and the Guillain-Barré syndrome (Kieseier et al) 1998;43:427

N-glycolylneurameric acid-containing GM1 is a new molecule for serum antibody in Guillain-Barré syndrome (Odaka et al) 1998;43:830

Positron emission tomography; see Tomography, emission-computed**Postpoliomyelitis syndrome**

sleep apnea in patients with postpolio syndrome (Dean et al) 1998;43:661

Premature infant; see Infant, premature**Presenilin-1**

increased A β 42(43) from cell lines expressing presenilin 1 mutations (Mehta et al) 1998;43:256

Presenilin-2

amyloid angiopathy in a Volga German family with Alzheimer's disease and presenilin-2 mutation ($N^{141}I$) (Nochlin et al) 1998;43:131

Primary position upbeat nystagmus; see Nystagmus**Prions**

codon 219 Lys allele of PRNP is not found in sporadic Creutzfeldt-Jakob disease (Shibuya et al) 1998;43:826

Prosencephalon

fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576

Proton magnetic resonance spectroscopy; see Nuclear magnetic resonance**Pyramidal tracts**

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the

copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

Quadrplegia

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171
why do ICU patients become paralyzed? (Ruff) 1998;43:154 (Editorial)

Quinidine

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

Racial factors

HTLV-I-associated facial nerve palsy in Africans and people of African descent (Preux et al) 1998;43:684 (Letter)

Raclopride

[¹¹C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

Ragged-red fibers

neurotrophin-4 is up-regulated in ragged-red fibers associated with pathogenic mitochondrial DNA mutations (Walker and Schon) 1998;43:536

Receptors, cholinergic

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

end-plate voltage-gated sodium channels are lost in clinical and experimental myasthenia gravis (Ruff and Lennon) 1998;43:370

purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

Receptors, nicotinic

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458

Receptors, serotonin

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Reflexes

preserved tendon reflexes in *Campylobacter* neuropathy (Yuki and Hirata) (Letter); (Asbury and Cornblath) (Reply) 1998;43:546

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

Relapsing-remitting multiple sclerosis; see Multiple sclerosis

Retinitis

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

Retinitis pigmentosa

ataxia with isolated vitamin E deficiency and retinitis pigmentosa (Shimohata et al) 1998;43:273 (Letter)

Rett syndrome

cortical reflex myoclonus in Rett syndrome (Guerrini et al) 1998;43:472

Reviewers

ad hoc reviewers 1998;43:2

Rhabdomyolysis

very long chain acyl-coenzyme A dehydrogenase deficiency with adult onset (Smelt et al) 1998;43:540

Risk factors

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

RNA

MELAS exhibits dominant negative effects on mitochondrial RNA processing (Koga et al) 1998;43:835 (Letter)

RNA, transfer

novel mutation in the mitochondrial tRNA^{Val} gene associated with a complex neurological presentation (Tiranti et al) 1998;43:98

Rostral ventrolateral medulla; see Medulla oblongata

Saccades

paroxysmal tonic upgaze: a reappraisal of outcome (Hayman et al) 1998;43:514

Salsolinol

(R)salsolinol N-methyltransferase activity increases in parkinsonian lymphocytes (Naoi et al) 1998;43:212

Schizencephaly

cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123

Schwann cells

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

Sclerosis

in vivo [¹¹C]flumazenil-PET correlates with ex vivo [³H]flumazenil autoradiography in hippocampal sclerosis (Koepf et al) 1998;43:618

magnetic resonance imaging evidence of hippocampal injury after prolonged focal febrile convulsions (Van Landingham et al) 1998;43:413

prolonged febrile seizures and mesial temporal sclerosis (Shinnar) 1998;43:411 (Editorial)

temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

Seizures

dynamic [¹⁸F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx (Cornford et al) 1998;43:801

epilepsies in twins: genetics of the major epilepsy syndromes (Berkovic et al) 1998;43:435

temporal distribution of partial seizures: comparison of an animal model with human partial epilepsy (Quigg et al) 1998;43:748

Selegiline

modification of levodopa responses by deprenyl (selegiline): an electrophysiological and behavioral study in the rat relevant to Parkinson's disease (Mercuri et al) 1998;43:613

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

Sensory neuropathy; see Neuropathies, sensory

Serotonin

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Single-photon emission-computed tomography; see Tomography, emission-computed, single-photon

Skin

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

Sleep apnea syndromes

sleep apnea in patients with postpolio syndrome (Dean et al) 1998;43:661

Sleep disorders

narcolepsy in prepubertal children (Guilleminault and Pelleyo) 1998;43:135

randomized trial of modafinil for the treatment of pathological somnolence in narcolepsy (US Modafinil in Narcolepsy Multicenter Study Group) 1998;43:88

Slow-channel congenital myasthenic syndrome

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

SMN gene; see Muscular atrophy, spinal

Sodium channels

end-plate voltage-gated sodium channels are lost in clinical and experimental myasthenia gravis (Ruff and Lennon) 1998;43:370

Sodium valproate; see Valproic acid

Somnolence; see Sleep disorders

Spinocerebellar degeneration

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

proton magnetic resonance spectroscopy in an Italian family with spinocerebellar ataxia type 1 (Mascalchi et al) 1998;43:244

Status epilepticus

catastrophic deterioration and hippocampal atrophy after childhood status epilepticus (Gross et al) 1998;43:687 (Letter)

Stiff-man syndrome

stiff-leg syndrome: a focal form of stiff-man syndrome (Saiz et al) 1998;43:400

Subependyma; see Ependyma

Substantia nigra

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561

low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

Superoxide dismutase

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

mutations in all five exons of *SOD-1* may cause ALS (Shaw et al) 1998;43:390

Sural nerve

unmyelinated nerve fibers in sural nerve in pure autonomic failure (Kanda et al) 1998;43:267

Syndrome of inappropriate secretion of antidiuretic hormone; see Inappropriate ADH syndrome

Synuclein

low frequency of α -synuclein mutations in familial Parkinson's disease (Farrer et al) 1998;43:394

T-lymphocytes

increased serum levels of soluble CD95 (APO-1/Fas) in relapsing-remitting multiple sclerosis (Zipp et al) 1998;43:116

proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

Task performance and analysis

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

tau proteins

cognitive, neuroimaging, and pathological studies in a patient with Pick's disease (Lieberman et al) 1998;43:259

tau is a candidate gene for chromosome 17 frontotemporal dementia (Poorkaj et al) 1998;43:815

vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their τ isoform distribution

and phosphorylation (Delacourte et al) 1998;43:193

Taxol; see Paclitaxel

Temporal lobe

diffusion-weighted MRI in transient global amnesia: elevated signal intensity in the left mesial temporal lobe in 7 of 10 patients (Strupp et al) 1998;43:164

medial temporal lobe in dementia with Lewy bodies: a comparative study with Alzheimer's disease (Lippa et al) 1998;43:102

near and far visual space in unilateral neglect (Vuilleumier et al) 1998;43:406

prolonged febrile seizures and mesial temporal sclerosis (Shinnar) 1998;43:411 (Editorial)

Temporal lobe epilepsy; see Epilepsy, temporal lobe

Tendons

preserved tendon reflexes in *Campylobacter* neuropathy (Yuki and Hirata) (Letter); (Asbury and Cornblath) (Reply) 1998;43:546

Tocopherol; see Vitamin E

Tomography, emission-computed

[¹¹C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

detection of primary tumor in paraneoplastic cerebellar degeneration by FDG-PET (Shinohara et al) 1998;43:684 (Letter)

dynamic [¹⁸F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx (Cornford et al) 1998;43:801

on the functional anatomy of migraine (Goadsby and Fields) 1998;43:272 (Letter)

in vivo [¹¹C]flumazenil-PET correlates with ex vivo [³H]flumazenil autoradiography in hippocampal sclerosis (Koepf et al) 1998;43:618

in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387

Tomography, emission-computed, single-photon

dopamine transporter density measured by [¹²³I] β -CIT single-photon emission computed tomography is normal in dopa-responsive dystonia (Jeon et al) 1998;43:792

Tonic pupil

paroxysmal tonic upgaze: a reappraisal of outcome (Hayman et al) 1998;43:514

Topography; see Brain mapping**Torsion**

fast eye movement initiation of ocular torsion in mesodiencephalic lesions (Bentley et al) 1998;43:729

Torsion dystonia; see Dystonia muscularorum deformans**Transcription, genetic**

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

Transfection

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

Transient global amnesia; see Amnesia**Trigeminal nuclei**

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT_{1B/1D} receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

Trinucleotide repeats

[¹¹C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

tRNA; see RNA, transfer**Twins**

epilepsies in twins: genetics of the major epilepsy syndromes (Berkovic et al) 1998;43:435

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wiliowski et al) 1998;43:835 (Letter)

neuroanatomical and neurocognitive differences in a pair of monozygous twins discordant for strictly defined autism (Kates et al) 1998;43:782

Unmyelinated nerve fibers; see Nerve fibers**Up-regulation**

upregulation of Fas/Fas ligand in inclusion body myositis (Fyhr and Oldfors) 1998;43:127

Valproic acid

hyponatremia due to sodium valproate (Branten et al) 1998;43:265

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

Varicella-zoster virus

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

Vasomotor system

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

Very long chain acyl-coenzyme A dehydrogenase; see Fatty acid desaturases**Vision disorders**

near and far visual space in unilateral neglect (Vuilleumier et al) 1998;43:406

perfusion-weighted imaging defects during spontaneous migrainous aura (Cutrer et al) 1998;43:25

Vitamin E

ataxia with isolated vitamin E deficiency and retinitis pigmentosa (Shimohata et al) 1998;43:273 (Letter)

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

White matter

magnetization transfer changes in the normal appearing white matter precede the appearance of enhancing lesions in patients with multiple sclerosis (Filippi et al) 1998;43:809

Women

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

Zinc

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703